

Notice of Allowability

Application No.

09/825,707

Examiner

Hussein A. El-chanti

Applicant(s)

VALENTINE ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/8/2006.
2. ☒ The allowed claim(s) is/are 1-5,12-18,20 and 23.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ARIETTE
SUPERVISORY PATENT EXAMINER
EX-1000 2100

EXAMINER'S AMENDMENT

1. This action is responsive to amendment received on Sep. 8, 2006.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Thomas Wetterman on Nov. 23, 2006.

3. The application has been amended as follows:

- **Claim 1 (currently amended)** A method of discovery and display of one or more Ethernet phones on a network, said method including the steps of:

discovering an Ethernet phone by means of a first protocol,

using discovered information to insert an icon representing the phone in [[the]] a relevant position in a display of the topology of the network, and

discovering [[another]] other devices on the network using a different protocol;

loading a web page to display a network map;

parsing information from the web page to establish correspondence between a particular Ethernet phone and a MAC address;

finding a port associated with the MAC address of the particular Ethernet phone;

retrieving relevant details of the particular Ethernet phone, wherein retrieving the relevant details is conditioned upon determining that only the MAC address of the particular Ethernet phone is associated with the port;

displaying on the network map a phone icon connected to the network via a port icon that is representative of the port, wherein displaying the phone icon connected to a port icon is conditioned upon determining that only the MAC address of the particular Ethernet is associated with the port;

displaying on the network map a device icon connected to the network via the Ethernet phone and port icons, wherein displaying the device icon is conditioned upon determining that (i) two MAC addresses are associated with the port, and (ii) one of the two MAC addresses is associated with the Ethernet phone; and

display on the network map an unmanaged aggregator cloud icon connected to the network via the port icon, wherein displaying the unmanaged aggregator cloud icon is conditioned upon determining that (i) at least two MAC addresses are associated with the port, and (ii) the at least two MAC addresses are not associated with the Ethernet phone.

- **Claim 12 (currently amended)** Apparatus for use in the discovery of one or more Ethernet phone on a network comprising:

means to discover information on an Ethernet phone and another device using respective first and second protocols; and

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means to use the information discovered to insert an icon representing the Ethernet phone in [[the]] a relevant position in the a display of the topology of the network;

means for loading a web page to display a network map;

means for parsing information from the web page to establish correspondence between a particular Ethernet phone and a MAC address;

means for finding a port associated with the MAC address of the particular Ethernet phone;

means for retrieving relevant details of the particular Ethernet phone, wherein retrieving the relevant details is conditioned upon determining that only the MAC address of the particular Ethernet phone is associated with the port;

means for displaying on the network map a phone icon connected to the network via a port icon that is representative of the port, wherein displaying the phone icon connected to a port icon is conditioned upon determining that only the MAC address of the particular Ethernet is associated with the port;

means for displaying on the network map a device icon connected to the network via the Ethernet phone and port icons, wherein displaying the device icon is conditioned upon determining that (i) two MAC addresses are associated with the port, and (ii) one of the two MAC addresses is associated with the Ethernet phone; and

means for display on the network map an unmanaged aggregator cloud icon connected to the network via the port icon, wherein displaying the unmanaged aggregator cloud icon is conditioned upon determining that (i) at least two MAC addresses are associated with the port, and (ii) the at least two MAC addresses are not associated with the Ethernet phone.

- Claims 6-11, 21, 22, 24 and 25 are canceled.

4. Claims 1-5, 12-18, 20 and 23 are allowed.
5. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach singly or in combination the limitation "displaying on the network map a phone icon connected to the network via a port icon that is representative of the port, wherein displaying the phone icon connected to a port icon is conditioned upon determining that only the MAC address of the particular Ethernet is associated with the port; displaying on the network map a device icon connected to the network via the Ethernet phone and port icons, wherein displaying the device icon is conditioned upon determining that (i) two MAC addresses are associated with the port, and (ii) one of the two MAC addresses is associated with the Ethernet phone; and display on the network map an unmanaged aggregator cloud icon connected to the network via the port icon, wherein displaying the unmanaged aggregator cloud icon is conditioned upon determining that (i) at least two MAC addresses are associated with the port, and (ii) the at least two MAC addresses are not associated with the Ethernet phone" as in claims 1-5, 12-18, 20 and 23.

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6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

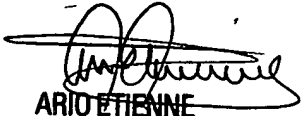
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hussein A. El-chanti whose telephone number is (571)272-3999. The examiner can normally be reached on Mon-Fri 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571)272-4001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hussein Elchanti

Nov. 27, 2006


ARIO ETIENNE
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